

NIKONOV, V.A., dotsent; USTINOVA, L.A., kand.med.nauk; SHIBAYEVA, T.L.,  
assistant

Corticosteroid hormones and ACTH in compound treatment of Botkin's  
disease (epidemic hepatitis). Trudy KGMI no.10:310-313 '63.  
(MIRA 18:1)

1. Iz kafedry infektsionnykh bolezney (zav. kafedroy - dotsent  
V.A.Nikonov) Kalininskogo gosudarstvennogo meditsinskogo instituta.

NIKONOV, V.A., dotsent; SHIBAYEVA, T.L., assistant

Late results of the treatment of epidemic hepatitis (Botkin's disease) according to materials on dispensary services. Trudy KGMi no.10:314-316 '63. (MIRA 18:1)

1. Iz kafedry infektsionnykh bolezney (zav. kafedroy dotsent V.A.Nikonov) Kalininskogo gosudarstvennogo meditsinskogo instituta.

KUPRIYANOVA, L.I. / PLESCHENKOVA, L.G. / MICHAYLOVA, V.V.

Esvenite from a phreatic deposit. Zap.Vses.uzn.ob-va 94  
no.5:602-607 1985. (MER 13:11)

1. Dergstvitel'nyy chlen Vsesoyuznogo mineralogicheskogo  
obshchestva (for Kupriyanov).

SHIBAYEVA, Yelena Alekseyevna; BLISHCHENKO, I.P., red.; ROMANOVA, N.I.,  
tekhn.red.

[International organizations in the field of transportation and  
communications] Mezhdunarodnye organizatsii v oblasti transporta  
i svyazi. Moskva, Izd-vo In-ta mezhdunar.otnoshenii, 1960. 105 p.  
(MIRA 13:7)

(Communication and traffic--International cooperation)

SHIBAYEVA, Ye.D., aspirant.

Diagnosis of diseases of the breast. Vest. rent. i rad. 33 no.6:32-35  
N-0 '58. (MIRA 12:1)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. A. I. Dombrov-  
skiy).

(BREAST, NEOPLASMS, diag.

x-ray, with & without contrast medium (Rus))

SHIBAYEVA, Z.M.

USSR/ Miscellaneous - Industrial processes

Card 1/1 Pub. 104 - 10/11

Authors : Gel'man, V. A., and Shibayeva, Z. M.

Title : Method of liquidating waste during kilning of large-size glass objects

Periodical : Stek. i ker. 2, 29 - 30, Feb 1955

Abstract : Announcement is made by the Ceramics and Refractories Laboratory of the Central Glass Scientific Research Institute on the development of a method for the elimination of waste during the kilning of large-size glass or ceramic objects. Some results obtained by means of the new method, are listed. Drawings; graph.

Institution: .....

Submitted: .....

*Shibenko, N.F.*

KOKOVIN, V.Ye., inzh.; SHIBENKO, N.F., inzh.

Circuits for switching in BT-561 and VTM-561 relays without a  
VU-25-B autotransformer. Elek.sta. 28 no.10:74-75 '57. (MIRA 10:11)  
(Electric relays)

SHIBENKO, N.F., inzh.

High-voltage differential-phase protection system with operative  
a. c. Elek. sta. 35 no.11:76-78 N '64.

(MIRA 18:1)



KISLYY, V.I., inzh.; SHIBENKO, O.I.

Automatic steam escape regulation in steam turbine glands.

Energetik 8 no.1:30-34 Ja '60. (MIRA 13:5)  
(Steam turbines) (Packing (Mechanical engineering))

SHIBER, Ruvim Abramovich; ROGACHEV, F.V., red.; RAKOV, S.I., tekhn.red.

[Practical training in railroad car repair operations] Proiz-  
vodstvennoe obuchenie vagonoremontnym professiiam. Moskva,  
Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1957. 167 p.  
(Railroads--Cars--Maintenance and repair) (MIRA 12:1)

SHIBER, Ruvim Abramovich; YESHCHIN, S.B., nauchnyy red.; KOPTEVSKIY,  
D.Ya., red.; GOROKHOV, Yu.N., tekhn.red.

[Mechanism and maintenance of automatic brake system;  
methodological manual for instructors at railway and technical  
schools] Ustroistvo i remont avtotormozov; metodicheskoe poso-  
bie prepodavateliam zheleznodorozhnykh i tekhnicheskikh uchi-  
lishch. Moskva, Vses.uchebno-pedagog.izd-vo Trudrezervizdat, 1959.  
194 p.

(MIRA 12:9)

(Railroads---Brakes)

AGAFONOV, Mikhail Ivanovich; PEROV, Aleksandr Nikitich; BEKHTEREV, V.D.,  
retsenzent; BAZHOV, I.S., retsenzent; SHIBER, R.A., retsenzent;  
BRAYLOVSKIY, N.G., red.; KHITROV, P.A., tekhn. red.

[Design and repair of automatic brakes] Ustroistvo i remont avto-  
tormozov. Izd. 6., perer. i dop. Moskva, Vses. izdatel'sko-  
poligr. ob"edinenie M-va putei soobshcheniia, 1961. 270 p.

(MIRA 14:8)

(Railroads—Brakes)

SHIBER, R.A.; KRUGLYY, G.T.; BAZHOV, I.S., inzh., retsenzent;  
SAMOKHVALOV, S.F., inzh., retsenzent; FEDOROV, V.A., inzh.,  
retsenzent; KRUPNOV, S.A., inzh., retsenzent; YESHCHIN,  
S.B., inzh., retsenzent; SARANTSEV, Yu.S., inzh., red.;  
KHITROVA, N.A., tekhn. red.

[Design, maintenance and repair of railroad cars] Ustroistvo  
i remont vagonov. Moskva, Transzheldorizdat, 1963. 395 p.  
(MIRA 16:6)

(Railroads—Cars)

SHIBER, Ruvim Abramovich; KRUGLIY, Georgiy Tikhonovich; BAZHOV, I.S.,  
inzh., retsenzent; SAMOKHVALOV, S.F., inzh., retsenzent;  
FEDOROV, V.A., inzh., retsenzent; KRUPNOV, S.A., inzh.,  
retsenzent; YESHCHIN, S.B., inzh., retsenzent; SARANTSEV,  
Yu.S., inzh., red.; KHITROVA, N.A., tekhn. red.

[Arrangement, maintenance and repair of cars] Ustroistvo i  
remont vagonov. Moskva, Transzheldorizdat, 1963. 395 p.  
(MIRA 17:2)

SHIBERLE, L. M.

USSR/Electricity - Distribution Systems Dec 52

"Engineering Economic Comparison of Two Circuits for a City Electric Power Network," Engr N. D. Lukanina and Engr L. M. Shiberle, Leningrad Eng Economic Inst imeni Molotov

"Elektrichestvo" No 12, pp 66-69

Gives eng economic comparison of two types of low-voltage closed circuits for sections of new multi-story dwelling on basis of planning data. Compares networks constructed on so-called semi-closed circuit and on closed circuit. Submitted 5 Nov 51.

242T30

ANISIMOV, G.T.; ROGOZHIN, Kh.S.; ~~SHIBIN, N.S.~~; BAULIN, V.A., redaktor;  
MEDRISH, D.M., tekhnicheskiiy redaktor

[Safety measures in public eating establishments; a practical  
manual] Tekhnika bezopasnosti v predpriyatiyakh obshchestvennogo  
pitaniya; prakticheskoe posobie. Moskva, Gos. izd-vo torgovoi  
lit-ry, 1956. 131 p. (MLRA 10:2)  
(Restaurants, lunchrooms, etc. - Safety measures)



KUZNETSOV, Ievgeniy Semenovich. Prinimali uchastiye: KUROPTEV, V.T.; LEYDERMAN, S.R.; NOSOV, L.I.; PLEKHANOV, I.P.; PLESHAKOVA, T.I.; SALOSHIN, N.P.; SOKOLOV, O.V.; SHIBIN, P.V.; YAKOVLEV, A.V.. MARTENS, S.L., red.; ZUYEVA, N.K., tekhn.red.

[Efficient conditions for the maintenance of motor vehicles and methods for its improvement] Ratsional'nye rezhimy tekhnicheskogo obsluzhivaniia i metodika ikh korrektirovaniia. Moskva, Avto-transizdat. Pt.1. [Every day and the first maintenance of motor vehicles] Ezhdnevnoe i pervoe tekhnicheskoe obsluzhivanie. 1958. 35 p. (MIRA 13:5)

(Motor vehicles--Maintenance and repair)

KUZNETSOV, Yevgeniy Semenovich: Prinimali uchastiye: RYTCHENKO, V.I.;  
ORLOV, V.P.; RUBETS, D.A.; ZAIATS, T.P.; KUROPTEV, V.T.;  
LEYDERMAN, S.R.; NOSOV, L.I.; SOKOLOV, O.V.; TULUKOV, G.A.;  
SHIBIN, P.Y. LESNYAKOV, F.I., red.; DONSKAYA, G.D., tekhn.red.

[Efficient systems of maintenance and methods for their correction]  
Ratsional'nye rezhimy tekhnicheskogo obsluzhivaniia i metodika ikh  
korrektirovaniia. Moskva, Avtotransizdat. Pt.2. [Second stage of  
motor vehicle maintenance] Vtoroe tekhnicheskoe obsluzhivanie.  
1960. 98 p. (MIRA 14:3)

(Motor vehicles--Maintenance and repair)

SHIBINA, I. F.

SHIBINA, I. F.: "Pathological changes in the kidneys following the use of sulfanilamide preparations, and their prophylaxis" (Experimental investigation). Ryazan', 1955. Ryazan' State Medical Institute Academician I. P. Pavlov. (Dissertation for the Degree of Candidate of Science of Medical Sciences)

SO: Knizhnaya Letopis', No. 41, 8 Oct 55

SHIBILEVICH, S.

SHIBILEVICH, S.: "The form of relative equilibrium and the drawing of a rotating thread." Min Higher Education USSR. Kazan' State University V. I. Ul'yanov-Lenin. Kazan', 1955.  
(Dissertation for the Degree of Candidate in Physicomathematical Sciences.)

SO: Knizhnaya Letopis', No. 26, 1956

SHASHKOV, A., mayor; MYSHAKOV, V., podpolkovnik; SHIBINEVICH, Yu., mayor;  
KUPAERMAN, Z., podpolkovnik; TARANENKO, P., podpolkovnik.

Methodical training of officer cadets; discussion of an article by  
Major V. Lutskov, Candidate of Pedagogical Sciences, in "Voennyi  
vestnik," no. 9, 1955. Voen.vest. 36 no.2:32-39 F '56. (F RA 9:8)  
(Russia--Army--Officers)  
(Military education)  
(Lutskov, V.)

SHIBINSKAYA, N.I., vrach

Optokinetic nystagmus as a method for the objective determination of visual acuity. Oft.zhur. 12 no.5:306-312 '57. (MIRA 13:6)

1. Iz kafedry glaznykh bolezney imeni akademika V.P. Filatova Odesskogo meditsinskogo instituta (zav. kafedroy - prof. S.F. Kal'fa).

(NYSTAGMUS)

(VISUAL DISCRIMINATION)

SHIBINSKAYA, N. I. Cand Med Sci -- (diss) "Objective determination of visual acuity on the basis of optokinetic nystagmus." Odessa, 1959. 13 pp (Odessa State Med Inst im N. I. Pirogov), 200 copies (KL, 49-59, 143)

-83-

SHIBINSKAYA, N.I., vrach.

Further observations on the objective determination of visual acuity.  
Oft. zhur 14 no.1:20-24 '59. (MIRA 12:6)

1. Kafedra glaznykh bolezney (zav. - prof. S.F. Kal'fa) Odesskogo  
meditsinskogo instituta.  
(~~EYE~~--EXAMINATION)



SHIBINSKAYA, N.I., assistant

Objective determination of visual acuity in children. Opt.  
zhur. 17 no.7:396-401 '62. (MIRA 16:3)

1. Iz kafedry glaznykh bolezney (zav. - prof. S.F. Kal'fa)  
Odesskogo meditsinskogo instituta imeni N.I. Pirogova.  
(~~EYE~~-EXAMINATION) (CHILDREN-CARE AND HYGIENE)

SHIBIRKIN, I.M.; YUNUSOV, Ya.B.; YAGAFAROV, M.G.

Testing diamond bits with double core assemblies. Burenie no.12:7-20  
1/4. (MIRA 18:5)

1. TSeKh nauchno-issledovatel'skikh i proizvodstvennykh rabot  
neftepromyslovogo upravleniya "Tshimtayneft".

ACCESSION NR: AP4006836

S/0120/63/000/006/0154/0155

AUTHOR: Vishnevskiy, V. N.; Shibisty\*y, A. N.

TITLE: Photoelectric meter for measuring luminescence polarization

SOURCE: Pribery\* i tekhnika eksperimenta, no. 6, 1963, 154-155

TOPIC TAGS: polarization meter, luminescence polarization, photoelectric polarization meter

ABSTRACT: A photoelectric device for measuring the anisotropy of luminescence is described. Its advantages over similar devices are that no preliminary calibration is required, that the degree of polarization of luminescence can be measured directly, and that the light fluxes from which the degree of polarization is determined are received and amplified by one channel. The accuracy in measuring the degree of polarization is 1—2% of the measured quantity. A block diagram of the device is given, and the measuring technique is described. Orig. art. has: 1 figure.

Card 1/2

ACCESSION NR: AP4006836

ASSOCIATION: L'vovskiy gosudarstvennyy universitet (Lvov State University)

SUBMITTED: 12Jan63

DATE ACQ: 24Jan64

ENCL: 00

SUB CODE: PH

NO REF SOV: 005

OTHER: 002

Card 2/2

L 45731-65 EWT(1)/EWA(h) Feb GS

ACCESSION NR: A75009630

UR/0000/64/000/000/0091/0094

AUTHOR: Vyshnevs'kyi, V. N. (Vishnevskiy, V. N.); Shybystyy, O. M. (Shibistyy, A. N.)

TITLE: Photoelectric polarimeter 15  
13+1

SOURCE: Lvov. Universytet. Pytannya fizyky tverdoho tila (Problems in solid state physics). Lvov, Vyd-vo L'viv. univ., 1964, 91-94

TOPIC TAGS: luminescence, light yield, luminescence anisotropy, polarization measurement, photoelectric polarimeter

ABSTRACT: The authors developed a polarization-investigation procedure free of some of the shortcomings of earlier photoelectric polarimeters, such as the need for a complicated calibration. The instrument measures the anisotropy and polarization of light from luminescent substances. The optical system and the electric block diagram of the installation are shown in Fig. 1 of the Enclosure. The optical system is mounted on the horizontal dial of a single-circle goniometer, and the investigated object is placed on the axis of the goniometer in a special mount with a vertical dial. The equipment is capable of performing all types of polari-

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L 45731-65

ACCESSION NR: AT5009630

zation measurements. The apparatus is described and a sample of the azimuthal dependence of the luminescence polarization of single-crystal anthracene is presented. The accuracy is estimated at 1--2%. The use of a combined photoelectric polarimeter with a single photomultiplier has many advantages over the analogous instruments described in the literature. Orig. art. has: 2 figures and 1 formula.

ASSOCIATION: None

SUBMITTED: 22Jun64

ENCL: 01

SUB CODE: OP

NR REF SOV: 006

OTHER: 002

Card 2/3

L 45731-65

ACCESSION NR: AT5009630

ENCLOSURE: 01

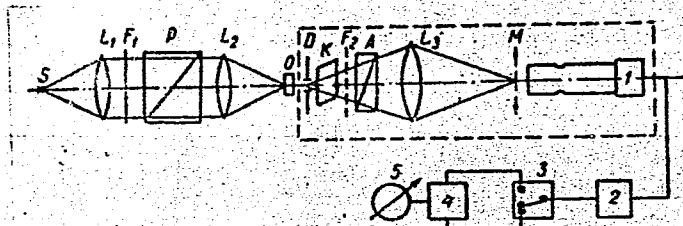


Fig. 1. Optical and electrical systems of photoelectric set-up.

1 - Photomultiplier, 2 - amplifier, 3 - vibrator, 4 - bridge, 5 - meter,  
L - lens, F - filter, P - polarizer, O - luminescent object

35.63

Card 3/3

SHIBKO, L.K

SHIBKO, L.K.; KHOMYAKOV, A.I.

Kuenginsk efficiency innovators. Put' i put.khoz. no.9:18-20 S '57.  
(MIRA 10:10)

1. Nachal'nik Kuenginskoy distantzii Zabaykal'skoy dorogi (for  
Shibko). 2. Zamestitel' nachal'nika Kuenginskoy distantzii Zabay-  
kal'skoy dorogi (for Khomyakov).  
(Railroads--Management)



TOKAR', YE. G., SHIBKO, N. A.

Textile Finishing

Signalling device in finishing production.

Tekst. prom., No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

SHIBKO, N.A.

"Saccharoscope". Sakh. prom. 31 no.6:35-36 Je '57. (MIRA 10:6)

1. TSentral'noye konstruktorskoye byuro Glavmashtali.  
(Sugar industry--Equipment and supplies)

SHIBKO, N.A.; NEMIROVSKIY, S.A.; SHABSHAYEVICH, M.L.; RAKHLEVSKIY,  
I.A.

[Systems for the automation of pasteurization and cooling  
plants] Sistemy avtomatizatsii pasterizatsionno-okhladitel'-  
nykh ustanovok. Moskva, TSentr. in-t nauchno-tekhn. infor-  
matsii pishchevoi promyshl., 1963. 61 p. (MIRA 17:4)

SHIBKO, V.

In the track of events. Grazhd. av. 22 no.8:18 Ag '65. (MIRA 18:8)

1. Predsedatel' gruppy sodeystviya partiyno-gosudarstvennomu kontrolyu, Donetsk.

VENGRENOVSKIY, Sergey Iosifovich, nauchnyy sotr., kand. sel'khoz.  
nauk ; DZHELALI, Nadezhda Ivanovna, nauchnyy sotr.;  
LUZHETSKAYA, Lyudmila Grigor'yevna, nauchnyy sotr., agronom;  
SHIBKO, Vladimir Andreyevich, nauchnyy sotr., agronom;  
ZLENKO, G., red.; MOLCHANOVA, T., tekhn. red.

[Peas in Odessa Province] Gorokh na Odesshchine. Odessa,  
Odesskoe knizhnoe izd-vo, 1962. 78 p. (MIRA 15:6)

1. Vsesoyuznyy selektsionno-geneticheskiy institut imeni  
T.D.Lysenko (for Vengrenovskiy, Dzhelali). 2. Kolkhoz "Zarya  
kommunizma" Kodym'skogo rayona (for Luzhetskaya). 3. Sel'sko-  
khozyaystvennaya artel' "Ukraina" Kiliyskogo rayona (for  
Shibko).

(Odessa Province—Peas)

SHIBKOV, Anatoliy Alekseyevich; SELIVANOV, Ye.F., red.; SHEVCHENKO, F.Ya.,  
tekhn. red.

[First women physicians in Russia] Pervye zhenshchiny-mediki Rossii]  
Leningrad, Gos. izd-vo med. lit-ry Medgiz. Leningr. otd-nie, 1961.  
119 p. (MIRA 14:7)

(WOMEN AS PHYSICIANS)

SHIBKOV, A.A., polkovnik meditsinskoy sluzhby; SHEPILEVICH, V.F.

Women physicians as guardians of the health of Soviet troops.  
Voen.-med.zhur. no.3:7-9 Mr '61. (MIRA 14:7)  
(MEDICINE, MILITARY) (WOMEN AS PHYSICIANS)

SHIBKOV, A.A., polkovnik meditsinskoy sluzhby

Military medical literature of our country in the past and present.  
Voen.-med. zhur. no.5:85-87 My '61. (MIRA 14:8)  
(MEDICINE, MILITARY--PERIODICALS)



SHIBKOV, A.A., polkovnik meditsinskoy sluzhby (Leningrad)

Russia's first women medics. Med. sestra 20 no.7:46-50 J1 '61.  
(MIRA 14:10)

(WOMEN AS PHYSICIANS)

SHIBKOV, A.A. (Leningrad)

Pioneers in medical education for women in Russia. Med.sestra  
21 no.8:48-51 Ag '62. (MIRA 15:9)  
(MEDICINE--STUDY AND TEACHING) (WOMEN AS PHYSICIANS)

SHIDKOV, I.V., inzh.; CHEPURIN, V.M., master

Automatic turning-on and off of the oil heater in oil switch tanks.  
Elek. sta. 32 no.7:79-80 J1 '61. (MIRA 14:10)  
(Electric switchgear)

SHIBKOV, Yu.O.

Measures for preventing damage to the hydromechanical governor.  
Elek. i tepl. tiaga 4 no. 9:20-21 S '60. (MIRA 13:12)

1. Mashinist-instruktor depo Rubtsovka Tomskoy dorogi.  
(Diesel locomotives)

SHIPKOVA, I. F.

IKONNIKOV, S.S.; ISMAILOV, M.; KNORRING, I.G.; KOROLEVA, A.S.; KUDRYASHEV, S.N.; MALEYEV, V.P.; MASLENNIKOVA, T.I.; NEVSKIY, S.A.; NIKITIN, V.A.; OVCHINNIKOV, P.N.; PLESHKO, S.I.; POPOV, N.G.; SIDORENKO, G.T.; CHUKAVINA, A.P.; ~~SHIPKOVA, I.F.~~; BORISOVA, A.G., redaktor; VASIL'CHENKO, I.T., redaktor; NEUSTRUYEVA, O.E., redaktor; ZENDEL', R.Ye., tekhnicheskii redaktor

[Flora of the Tajik S.S.R.] Flora Tadzhikskoi SSR. Moskva, Izd-vo Akad.nauk SSSR. Vol.1. [Pteridophyta - Gramineae] Paprotnikoobraznye zlaki. Glav.red. P.N.Ovchinnikov. 1957. 547 p. (MIRA 10:9)  
(Tajikistan--Botany)

SHIBKOVA, N.A.

Results of testing fungicides for the control of apple scab. Trudy  
(MIRA 18:10)  
VIZR no.20 pt.1:7-9 '64.

KROTOV, A.I.; SHIBKOVA, K.G.

Complexes of diatomaceous and silicoflagellate algae in Upper  
Cretaceous, Paleogene, and Neogene sediments in the eastern  
slope of the Urals and trans-Ural region. Mat.po geol. i pol.  
iskop. Urala no.9:191-249 '61. (MIRA 15:3)  
(Ural Mountain region--Algae,Fossil)

BELYANCHIKOV, V.N., inzh.; NOVIKOV, I.V., inzh.; ZAYTSEV, I.Ye.,  
inzh.; AKIL'YEV, S.A., inzh.; BELKIN, V.A., inzh.;  
POCHKINA, L.A., inzh.; VASIL'YEV, O.A., inzh.; Primali  
uchastiye: KOPEYKINA, O.P.; SMIRNOVA, A.N.; BELKINA, S.S.;  
SHILINA, Ye.I.; LAGUNOV, Ye.N.; REZNIK, S.Z.; BRISMAN,  
B.I.; KUZ'MINYKH, A.A., red. izd-ya; SHIEKOVA, R.Ye.,  
tekhn. red.

[Operational life of parts of excavating, construction,  
and road machinery; a reference catalog] Sroki sluzhby de-  
talei ekskavatorov, stroitel'nykh i dorozhnykh mashin,  
katalog spravochnik. Izd.2., perer. i dop. Moskva, Gos-  
lesbumizdat. Pt.2. [Road, construction machinery, and  
machinery for manufacturing building materials] Dorozhnye,  
stroitel'nye mashiny i mashiny dlia proizvodstva stroitel'-  
nykh materialov. 1963. 306 p. (MIRA 17:4)

1. "Stroitiyazhmashzapchast'," Tekhnicheskaya kontora. Kon-  
struktorskoye byuro.



SHIBKOVA, S. A.

S-4

USSR/Morphology of Man and Animals (Normal and Pathologic).  
Sense Organs.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17070

Author : Shibkova, S.A.

Inst : -

Title : Afferent Innervation of the Retina.

Orig Pub : V sb: Probl. morfol. nervn. sistemy, L., Medgiz, 1956,  
92-98

Abstract : The retinas of fish (a skate, a Black Sea Shark) and mammals (a cow, horse and man) were impregnated according to a modified Kampos method. Complete preparations revealed nerve fibers and terminals which differed from visual nerve fibers. These structures greatly resemble the receptor apparatuses of other organs, being located directly in the retina or on the walls of blood-vessels. The retina contains 2 types of fibers: the dendrites of ganglion cells and other associated with the bundle of fibers of the

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... the "receptor" dendrite differs significantly from ordinary dendrites; it is thickened, ending in a receptor apparatus which has a variable shape and size, appearing like a claw, a ring, etc. Such dendrites are located in the retina or on the walls of blood-vessels or simultaneously giving off branches to the retinal tissue and to the vessel walls. The receptor fibers which are associated with the optic nerve bundle are of a different character: they are of small caliber, becoming thicker after leaving the bundle and terminating in an end apparatus. Such a fiber probably represents a collateral branch of an axon of a ganglion cell. Never branchings and terminals are often found on vessels of the retina. On capillaries they are spiral in shape, whereas on arteries and veins they have a complex form of clusters, buttons and ringlets. To evaluate the physiologic significance of

Card 2/3

SHIBKOVA, S.A.

Retinal innervation. Probl.fiziol.opt. 12:422-428 '58 (MIRA 11:6)

1. Kafedra gistologii i embriologii Rostovskogo-na-Donu gosudarstvennogo  
meditsinskogo instituta.  
(RETINA)

SHIBKOVA, S.A. (Postov-na-Donu, Pushkinskaya ul., 265)

Interrelationships between the vessels and nerve structures of  
the retina. Arkh.anat.gist.i embr. '38 no.2:39-47 F '60.

(MIRA 14:6)

1. Kafedra gistologii i embriologii (zav. -prof. K.A.Lavrov)  
Rostovskogo meditsinskogo instituta.  
(RETINA)

SHIBKOVA, S.A. (Rostov n/Donu, pereulok Tramvayshchikov, 9); KOROLEVA, L.V.

Cortical fibers in the retina of the monkey. Arkh. anat., gist. i embriol.  
46 no.2:36-42 F '64. (MIRA 17:12)

1. Laboratoriya elektrofiziologii nervnoy deyatel'nosti (zav. - prof. A.B.Kogan) Rostovskogo-na-Donu gosudarstvennogo universiteta i Laboratoriya fiziologii i patologii vysshey nervnoy deyatel'nosti (zav. - prof. N.I.Lagutina) Instituta eksperimental'noy patologii i terapii AMN SSSR, Sukhumi.

SHIBKOV, S. S. (Bostov n/Donu, 22, str. Karmayshchikov, 9)

Distribution of the activity of acid phosphatase in the inner  
layers of the retina. Arkh. anat., gist. i embr. 46 no. 4:42-47  
Ap '64. (MIRA 18:5)

1. Laboratoriya elektrofiziologii nervnoy deystel'nosti (zav. -  
prof. A. V. Kogan) Bostovskogo n/Donu gosudarstvennogo universiteta.

SHIBNEV, B.K.

Observations on fish owl in the Maritime Territory.  
Ornitologiya no.6:486 '63. (MIRA 17:6)

AUTHORS: Andreyeva, N. S., Iveronova, V. I., 62-58-3-27/30  
Kozarenko, T. D., Poroshin, K. T.,  
Shibnev, V. A., Shutskever, N. Ye.

TITLE: Investigation of the Structure of Peptides Containing  
Glycine and l-Proline (Issledovaniye struktury peptidov,  
soderzhashchikh glitsin i l-prolin)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh  
Nauk, 1958, Nr 3, pp. 376-377 (USSR)

ABSTRACT: The investigation of peptides containing amino acids is  
of importance for the investigations of the structure of  
proteins. The stereochemical rôle of pyrrolidine rings  
within the configuration of the polypeptide chain has not  
yet been sufficiently explained. In general it is assumed  
that the bends of the polypeptide chains are formed in such  
points, where residues of proline and oxyproline are present.  
At present structural investigations of the peptides and  
polypeptides of numerous amino acids are carried out.  
There have, however, only few works been published on the  
investigation of compounds containing amino acids. The  
aim of this work is the investigation of the above mentioned

Card 1/2

Investigation of the Structure of Peptides Containing Glycine and l-Proline 62-58-3-27/30

structure of peptides. Glycyl-l-prolyl, l-prolylglycine, carbobenzoxyglycyl-l-prolyl and the anhydride of glycyl-l-proline were synthesized. Furthermore the first stage of the x-ray analysis of the synthesized compounds was finished.

There are 1 table and 10 references, 1 of which is Soviet.

ASSOCIATION: Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta i Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR  
(Physics Department of Moscow State University and the Institute for Organic Chemistry imeni N. D. Zelinskiy, AS USSR)

SUBMITTED: October 31, 1957

Card 2/2



SHIBNEV V. A.

AUTHORS: Poroshin, K. T., Kozarenko, T. D., Shibnev, SOV/62- 53- 9- 20/26  
" V. A.

TITLE: The Exchange Reactions Between l-Prolylglycine-Diketopiperazine and Its Dipeptides (O vzaimoprevrashchenii diketopiperazina l-prolilglitsina i yego dipeptidov)

PERIODICAL: Izvestiya Akademii nauk, SSSR. Otdeleniye khimicheskikh nauk, 1958, Nr 9, pp 1129 - 1132 (USSR)

ABSTRACT: Glycine, l-proline, and  $\alpha$ -amino acids in general are especially important in relation to the question of the structure of collagen. The separation of considerable amounts of glycyl-l-proline and l-prolylglycine from hydrolysed collagen leads to the assumption that both dipeptides are structural elements in the protein molecule. The protein hydrolysis has been carried out under various conditions in the past (Refs 1-3), and this makes difficult a clear explanation of the preponderance of glycyl-l-proline and l-prolylglycine-dipeptide in the chain. The authors of this brief communication attempted to form a cyclic anhydride of glycyl-l-proline and l-prolylglycine. They further investigated the possibility of

Card 1/2

The Exchange Reactions Between 1-Prolylglycine- Diketo- SOV/62-58-9-20/26  
piperazine and Its Dipeptides

hydrolysing the anhydride to the dipeptide. It was found that even under moderate conditions the anhydride of 1-prolylglycine forms glycyl-l-proline in base and 1-prolylglycine in acid. The hydrolysis of the 1-prolylglycine anhydride does not go to completion, but attains an equilibrium condition. The formation of cyclic anhydrides of both dipeptides is simple, especially for glycine-l-proline. There are 1 figure and 7 references, 1 of which is Soviet.

ASSOCIATION: Institut organicheskoy khimii im.N.D.Zelinskogo Akademii nauk  
SSSR (Institute of Organic Chemistry imeni N.D.Zelinskiy, AS USSR)

SUBMITTED: March 22, 1958

Card 2/2

5(3)

AUTHORS:

Poroshin, K. T., Shibnev, V. A.,  
Kozarenko, T. D.

SOV/62-59-4-28/42

TITLE:

Synthesis of Peptides Containing L-Proline and Glycine (Sintez peptidov, soderzhashchikh L-prolin i glitsin)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 4, pp 736-738 (USSR)

ABSTRACT:

This is a short report on the investigation of the synthesis and properties of L-prolylglycyl-L-proline, L-prolylglycyl-L-prolylglycine and of polymers which contain these groups in the molecular chain. The peptides mentioned can be synthesized by the method of the mixed anhydrides (Ref 9) and the respective polymers by the method of the polycondensation of methyl esters of these peptides. The synthesis of L-prolylglycyl-L-prolylglycine esters was carried out in two ways: 1) by gradual addition of the methyl esters of amino acids (glycine, L-proline, glycine) to carbobenzoxy-L-proline (Scheme, I); 2) by addition of the methyl ester of L-prolylglycine to carbobenzoxy-L-prolylglycine (stage A, Scheme). The synthesized peptides and their esters were identified by

Card 1/2

Synthesis of Peptides Containing L-Proline and  
Glycine

SOV/62-59-4-28/42

means of descending chromatography (Table). There are 1 table  
and 11 references, 2 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii  
nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy  
of the Academy of Sciences, USSR)

SUBMITTED: July 19, 1958

Card 2/2

5(3))  
AUTHORS: Shibnev, V. A., Kozarenko, T. D., Poroshin, K. T. SOV/62-59-6-31/36

TITLE: On the Separation of L-Proline and L-Oxyproline by the Rhodanil Method (O vydelenii L-prolina i L-oksiprolina rodanilatnym sposobom)

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 6, pp 1132 - 1133 (USSR)

ABSTRACT: By the rhodanyl method for the separation of L-proline and L-oxyproline the imino acids are always obtained with some impurities because of the great similarity of these acids. The one always contains an addition of the other. Therefore the method was changed somewhat so that by means of it it is possible not only to separate the L-proline required but also the L-oxyproline in a chromatographically pure form from the hydrolysate of the gelatin. The yield in L-oxyprolin obtained with this method was 12% of this imino acid contained in the gelatin. The separation of the imino acids from the gelatin was made according to Bergmann. After the separation of L-proline (pure) from the mixture of L-proline and L-oxyproline, the latter (60%) is obtained with an admixture of 40% L-proline. This mixture is treated with methanol and dry ether and the powder of the imino acids thus obtained

Card 1/2

On the Separation of L-Proline and L-Oxyproline by the  
Rhodanilic Method

SOV/62-59-6-31/36

from methanol water is subjected to repeated re-crystallization, which leads to L-oxyproline in purest form. The L-proline contained in the methanol filtrate is then in a similar way purified from the L-oxyproline still contained in vestige, and thus finally also purest L-proline is obtained. There are 6 references, 1 of which is Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk  
SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the  
Academy of Sciences, USSR)

SUBMITTED: December 9, 1958

Card 2/2

SHIBANOV, V.A., Dokl. Chem. Sci - (russ) "Synthesis, specific  
enzymolysis and hydrolysis of peptides consisting of glycine and  
amino acids," Moscow, 1960, 13 pp (Institute of Organic Chemistry im  
N. D. Zelinskiy, AS USSR) (KL, 39-60, 114)

SHIBNEV, V.A.; KOZARENKO, T.D.; POROSHIN, K.T.

Peptide ethers containing L-proline and glycine. Izv. AN SSSR Otd.  
khim.nauk no.8:1500-1506 Ag '60. (MIRA 15:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.  
(Peptides) (Proline) (Glycine)



POROSHIN, K.T.; SHIBNEV, V.A.; DEBABOV, V.G.; KOZARENKO, T.D.

Hydrolytic stability of some di- and tripeptides including  
L-proline, L-hydroxyproline and glycine. Biokhimiia 25 no.4:  
693-700 J1-Ag '60. (MIRA 13:11)

1. Laboratory of Protein Chemistry, Institute of Organic Chemistry,  
Academy of Sciences of the U.S.S.R., Moscow.  
(PEPTIDES) (HYDROLYSIS)

SHIBUYA, V. A., POROSHIN, N. T., KUPAEV, V. G. (USSR)

"Action of Collagenase on Synthetic Substrates."

Report presented at the 5th Int'l. Biochemistry Congress,  
Moscow, 10-16 Aug 1961.

SHIBNEV, V. A., DEBADOV, V. G., and KOZARENKO, T. D. (USSR)

"Preparation of Synthetic Ploymer Modeling Textured Collagen."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

POROSHIN, K.T.; SHIBNEV, V.A.; KOZARENKO, T.D.; DEBABOV, V.G.

Synthesis of peptides, analogues of a collagen fragment, composed of glycine and amino acids. Vysokom. soed. 3 no.1:122-130 Ja '61.  
(MIRA 14:2)

1. Institut organicheskoy khimii AN SSSR im. N.D.Zelinskogo.  
(Peptides)

ANDREYEVA, N.S.; DEBABOV, V.A.; MILLIONOVA, M.I.; SHIRNEV, V.A.;  
CHIRGADZE, Yu.N.

Synthetic polymer isomorphic with collagen. Biofizika 6 no. 2:244  
'61. (MIRA 14:4)

1. Institut biologicheskoy fiziki AN SSSR, Moskva i Institut  
organicheskoy khimii AN SSSR, Moskva.  
(POLYMERS) (COLLAGEN)

POROSHIN, K.T.; KAZARENKO, T.D.; SHIBNEV, V.A.; DEBABOV, V.G.

Study of the action of collagenase on synthetic substrates.  
Biokhimiia 26 no.2:244-248 Mr-Apr '61. (MIRA 14:5)

1. Institute of Organic Chemistry, Academy of Sciences of the  
U.S.S.R., Moscow.  
(COLLAGENASE) (PEPTIDES)

POROSHIN, K.T.; DEBABOV, V.G.; SHIBNEV, V.A.; KOZARENKO, T.D.

Synthesis of a collagenase substrate, a methyl ether of carboben-  
zoxym-L-prolyl-L-alanylglycyl-L-proline. Zhur.ob.khim. 31  
no.9:3006-3010 S '61. (MIRA 14:9)  
(Collagenase) (Ethers) (Proline)

DEBABOV, V.G.; SHIBNEV, V.A.

p-Nitrobenzyl ethers in the synthesis of peptides consisting of  
glycine and amino acids. Izv.AN SSSR.Otd.khim.nauk no.6:1031-  
1035 '62. (MIRA 15:8)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.  
(Benzyl ether) (Peptides)



ACCESSION NR.: AP3000126

S/0062/63/000/005/0870/0876

AUTHOR: Debabov, V. G.; Shibnev, V. A.

TITLE: Carbocyclohexyloxy group in the synthesis of prolyl-containing peptides

SOURCE: AN SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 5, 1963, 870-876

TOPIC TAGS: synthesis, peptides, electrophoresis, hexapeptide, prolyl, glycine-L-prolyl-L-alanyl-glycyl-L-prolyl-L-alanine

ABSTRACT: The possibility of using carboxycyclohexyloxy-shielded amino groups in the synthesis of peptides was investigated. A series of peptides was synthesized, among them the hexapeptide glycine-L-prolyl-L-alanyl-glycyl-L-propyl-L-alanine. It was shown that hexapeptides could be divided into tripeptides (for measuring electrophoresis on the Sephadex G-25). Several aspects of the acidylated cleavage of the ether group and urethane-type shielding by amino acids and peptides with the help of HBr and acetic acid were considered. Orig. art. has: 1 table, 3 figures, 6 groups of equations and formulas.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences SSSR)

Card 1/2

DEBABOV, V.G.; SHIBNEV, V.A.; BAKULINA, V.M.

Specific action of collagenase on peptides related to collagen.  
Izv. AN SSSR Ser.khim. no.10:1863-1865 O '63. (MIRA 1743)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR i  
Institut biofiziki AN SSSR.

DEBABOV, V.G., kand.khim.nauk; SHIBNEV, V.A., kand.khim.nauk

Proteinlike polymer. Priroda 52 no.10:32-35 '63. (MIRA 16:12)

1. Institut organicheskoy khimii AN SSSR, Moskva.

DEBABOV, V.G.; SHIBNEV, V.A., kand.khim.nauk

Unusual enzymes. Priroda 53 no.3:64-67 '64.

(MIRA 17:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR, M oskva.

SHIBNEV, V.A.; DEBABOV V.G.

Study of regular polypeptide with a sequence of glycyl-prolyl-hydroxyprolyl isomorphous collagen. Izv. AN SSSR. Ser. khim. no.6:1043-1049 Je '64. (MIRA 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

SHIBNEV, V.A.; DEBBOV, V.G.; BAULINA, G.A.

Synthesis of hexapeptide with a sequence of pseudocrystalline  
segment of collagen molecule. Izv. AN SSSR. Ser. khim. no.6:  
1049-1053 Je '64. (MIRA 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

SHIBNEV, V.A.

Use of ethoxyacetylene for polymerization and cyclization  
of tripeptides containing imino acids. Izv. AN SSSR. Ser.  
khim. no.8:1545-1548 Ag '64. (MIRA 17:9)

1. Institut biologicheskoy fiziki AN SSSR.

FOROSHIN, K.T.; CHUVAYEVA, T.P.; SHIBNEV, V.A.

Effect of the nature of the amide group on the rate of cleavage of a carbocyclohexyloxy protective group during hydrobrominolysis. Izv. AN SSSR. Ser. khim. no.8:1548-1550 Ag '64. (MIRA 17:9)

1. Institut biologicheskoy fiziki AN SSSR i Tadzhikskiy gosudarstvennyy universitet im. Lenina.



POROSHIN, K.T.; SHIBNEV, V.A.; GRECHISHKO, V.S.

Synthesis of carbocyclohexyloxyamino acids. Izv. AN SSSR. Ser. khim.  
no.7:1294-1295 '65. (MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR i Institut khimii AN  
TadzhSSR.

SHIBNEV, V.A.; ROGULENKOVA, V.N.; ANDREYEVA, N.S.

Structural role of hydroxyproline in collagen. Biofizika 10 no.1:  
164-165 '65. (MIRA 18:5)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

SHIBRAVA, VI.

Sediments of continental glaciation in Czechoslovakia. Biul.  
Kom.chetv.per. no.27:3-13 '62. (MIRA 16:4)  
(Czechoslovakia--Glacial epoch)

SHIBRYAYEV, B. F.

SHIBRYAYEV, B. F. -- "CERTAIN QUESTIONS OF THE INVESTIGATION OF STEELS APPLICABLE TO THE  
MANUFACTURE OF CUTTING CHISELS." SUB 12 FEB 52, MOSCOW ORDER OF LABOR RED BANNER  
PETROLEUM INST INSTI ACADEMICIAN I. M. GUDKIN (DISSERTATION FOR THE DEGREE OF CANDIDATE  
IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

SOV/95-59-3-8/14

14(5)

AUTHOR: Shibryayev, B.F., Candidate of Technical Sciences

TITLE: Oil Reservoirs Made of Aluminum Alloys (Neftyanyye rezervuary iz alyuminiyevykh splavov)

PERIODICAL: Stroitel'stvo truboprovodov, 1959, Nr 3, pp 24-25 (USSR)

ABSTRACT: To prolong the life of the cover and the upper section of oil reservoirs for storing crude or desalted aggressive sulfurous oil, it is recommended to manufacture these from aluminum alloys. In Giproneftemash corrosive resistance of several grades of deformable and of cast aluminum alloys has been determined; the chemical composition and mechanical properties of these are shown in Table Nr 1; carbon steel (St 3) and stainless chrome-nickel steel of 1Kh18N9T-grade were also tested. Sets of samples were placed in the lower (liquid phase) part and upper (gaseous phase) part of two reservoirs, containing crude

Card 1/3

Oil Reservoirs Made of Aluminum Alloys

SOV/95-59-3-8/14

oil(1) and desalted oil(2). Results of tests carried out during 4,000 hours are shown in Table Nr 2. Comparison between corrosion rates of carbon steel and aluminum alloys enables to draw conclusions as to the varying corrosion resistance of these metals in the media in which they were tested. It follows that in the lower part of reservoir 2 it is not recommended to use aluminum alloys, which corrode faster than carbon steel, whereas in the lower part of reservoir 1 carbon steel corrodes faster than aluminum alloy. Aluminum alloys are most corrosion-resistant in the upper zones (gaseous phases) of both reservoirs 1 and 2. To probe aluminum alloys in their capacity as corrosion-resisting materials suitable for covers and upper sections of reservoirs, Giprosnetspromstroy has worked out a project for a cylindrical, welded trial reservoir of 1,000 cu m capacity. The six lower sections of the reservoir will be made of carbon steel St-3 and the 7th section of aluminum magnesium alloy. The aluminum top is composed of 1 central and 12 flat panels. Reservoirs

Card 2/3

Oil Reservoirs Made of Aluminum Alloys

SOV/95-59-3-8/14

with aluminum tops and upper sections made of aluminum alloys are being turned out by the Chernikovskiy neftepererabatyvayushchiy zavod (Chernikovsk Oil Refinery). There are 2 tables, 1 diagram, and 2 references, one of which is Soviet and one English.

Card 3/3

KORSHUNOV, Ye.S.; SHIBRYAYEV, B.F.

Using light alloys for reducing the weight of drilling rigs.  
Neft.khoz. 37 no.12:1-5 D '59. (MIRA 13:5)  
(Oil well drilling rigs)



S/184/60/000/004/012/021  
A109/A029

AUTHOR: Shibryayev, B.F., Candidate of Technical Sciences  
TITLE: Use of Aluminum Alloys <sup>✓</sup> Instead of Steel and Brass in Oil Refining

PERIODICAL: Khimicheskoye Mashinostroyeniye, 1960, No. 4, pp. 37 - 38

TEXT: The author discusses the substitution of steel and brass by aluminum alloys in the petroleum industry. Corrosion tests of aluminum alloy, 1X18H9T (1Kh18N9T) and St. 3<sup>✓</sup> steel pipings of depropanizers in the Novo-Kuybyshevskiy neftepererabatyvayushchiy zavod (Novo-Kuybyshev Oil Refinery) during 10,800 h showed a higher corrosion resistance of aluminum alloys. Mechanical properties and chemical composition of these alloys are given in Table 1 and corrosion tests results in Table 2. Corrosion resistance of aluminum alloys is considerably higher than that of carbon steels and close to 1Kh18N9T steel. Aluminum alloys possess high plastic properties, therefore inner parts of fractionating columns can be obtained by cold pressing. By use of Al aluminum alloy the weight of 30 ribbed valves in the depropanizer column will be reduced by 65%. In 1959 condensing, cooling and heat-exchanging equipment of NO 70-1 (LO 70-1) brass was replaced by parts made of aluminum-magnesium alloys. AMr (AMg) alloy condenser <sup>✓</sup>

Card 1/3

S/184/60/000/004/012/021  
A109/A029

### Use of Aluminum Alloys Instead of Steel and Brass in Oil Refining

pipes of a catalytic cracking installation operated at a pressure of 0.3 - 0.5 atm; gasoline vapors were formed at 140 - 150°C. Pipes made of the same alloy were tested in the condenser of a depentanizer operating under the influence of pentane which enters at a pressure of 4 atm and 45 - 55°C. Four heat-exchangers which serve as gasoline condensers of the combined installation head were tested under the following conditions: pressure in the vessel 2 atm, in pipes 1.5 atm; medium in the vessel: gasoline vapors formed at 130°C, on pipes: water of 25 - 30°C. Pipes were made of AMg alloy, grids of AMg5V alloy. Another four heat-exchangers of AMg alloy are part of a desalting installation still under construction. Operation medium: desalted oil entering the vessel under 6 atm at 90°C; in pipes: petroleum of 25 - 30°C, pressure 12 atm. No defects were observed during operation. There are 2 tables and 1 Soviet reference.

Card 2/3

361449

S/137/62/000/003/133/191

A052/A101

12.115/

AUTHORS: D'yakov, V. G., Shibryayev, B. F., Myagkov, M. P.

TITLE: Steels for fasteners of the high-temperature flange couplings

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 46, abstract 31285  
("Novosti neft. i gaz tekhn. Neft. oborud. i sredstva avtomatiz.",  
no. 3, 1961, 29-32)

TEXT: Steels 30X (30Kh), 38XA (38KhA) and X18H25C2 (Kh18N25S2) were investigated. Their composition (in %): 30Kh - 0.35 C, 1 Cr, 0.15 Cu; 38KhA - 0.4 C, 1.2 Cr, Cu traces; Kh18N25S2 - 0.33 C, 0.81 Mn, 17.5 Cr, 24.4 Ni, 2.45 Si. 30Kh and 38KhA steels after the heat treatment have a high strength, ductility and toughness. They can be used for fasteners in equipment and pipe-lines working at temperatures up to 400°C, in particular instead of fasteners made of 30X11A (30KhMA) steel. Kh18N25S2 steel in a heat-treated state has high mechanical properties. Up to 600°C inclusive this steel is not liable to the heat brittleness. However, in respect of the heat resistance Kh18N25S2 steel is noticeably inferior to 4X14H14B2M (4Kh14N14V2M) steel.

[Abstracter's note: Complete translation]

T. Rummyantseva

Card 1/1

SHIBRYAYEV, B.F.; D'YAKOV, V.G.

Experience in operating the condenser refrigerating equipment  
cooled by sea water at the petroleum refinery of the Anglo-Egyptian  
Company in Suez. Khim.i tekhn.to-pl.i masel 6 no.1:71-72 Ja '61.  
(MIRA 14:1)  
(Suez, Egypt—Petroleum refineries)

D'YAKOV, V.G.; SHIBRYAYEV, B.F.

Control of the corrosion of heat exchanging brass pipes at petrolsum  
refineries. Khim.i tekhn.topl.i masel 6 no.3:45-48 Mr '61.

(Heat exchangers—Corrosion)

(MIRA 14:3)

SHREYBER, Gennadiy Konstantinovich, dots., kand. tekhn. nauk;  
SHIBRYAYEV, Boris Filippovich, dots. kand. tekhn. nauk;  
POLFEROV, Aleksandr Pavlovich, dots.; PERLIN, Samuil  
Mendeleyevich, inzh.; RASTOVA, G.V., ved. red.; VORONOVA,  
V.V., tekhn. red.

[Building materials in the petroleum, petrochemical, and gas  
industries] Konstruktsionnye materialy v neftianoi, nefte-  
khimicheskoi i gazovoi promyshlennosti; spravochnoe rukovod-  
stvo. [By] G.K. Shreiber i dr. Moskva, Gostoptekhizdat, 1962.  
381 p. (MIRA 16:3)

(Building materials) (Chemicals industry)  
(Petroleum industry)

L 10587-63 EPR/EPF(c)/EWT(1)/EPF(n)-2/ENG(k)/EWP(q)/EWT(m)/T-2/HDS  
AEDC/AFFTC/ASD/ESD-3/SSD Pr-4/Pu-4/Pz-4/PS-4 WW/WH/JG

ACCESSION NR: AP3000947

S/0064/63/000/003/0072/0075

AUTHOR: Shibryayev, B. F.; Pavlovskaya, Ye. I.

TITLE: Metal-ceramic filters<sub>3</sub>

SOURCE: Khimicheskaya promyshlennost', no. 3, 1963, 72-75

TOPIC TAGS: metal-ceramic filters, ceramet, Ni, Ag, brass, bronze, stainless steel, Monel metal, Zr, V, Nb, Ti, Ta

ABSTRACT: Extensive description is given for each step in the production of ceramet filters. These include the methods for preparing the metal powders with smooth spherical surfaces, e.g. atomizing the melt in air or water; pressing the desired particle size fraction and sintering. Data given shows relationship between filter permeability and pore size, pressure drop and filter thickness. Ceramet filters are stable, highly porous, have good permeability and give remarkable sharpness in filtration. They can be made to a prescribed pore size, corrosion resistance, thermal stability and heat conductivity by selecting a suitable metallic material such as Ni, Ag, brass, bronze, stainless steel, Monel metal, the carbides, nitrides, borides of Ar, V, Nb, Ti, Ta. Orig. art. has: 3 tables and 6 figures.

Card 1/2/

SHIBRYAYEV, B. F.; PAVLOVSKAYA, Ye. I.

Metal-ceramic filters. Khim. prom. no.3:232-235 Mr '63.  
(MIRA 16:4)

(Filters and filtration)  
(Ceramic materials)



L 19906-63

EWP(k)/EWP(q)/EWT(m)/EWP(B)/BDS AFTTC/ASD Pf-4 JD

S/0226/63/000/004/0061/0066

ACCESSION NR: AP3005814

AUTHOR: Shibryayev, B. F. (Moscow)

TITLE: Relation of pore sizes and filtration fineness of metal-powder filters to the fractional composition of spherical powder

SOURCE: Poroshkovaya metallurgiya, no. 4, 1963, 61-66.

TOPIC TAGS: filter, metal powder filter, pore size, permeability, grain fraction, spherical powder

ABSTRACT: The relation of grain diameters to pore sizes and permeability of filters has been studied. Variation of pore sizes in metal-powder filters with spherical grains (of a given fraction composition) with respect to packing pattern is discussed. A formula is presented which shows the relation of pore diameter  $d$  to the diameter of spherical particles  $a$ ;  $d = 0.155a$  (for filters made of densely packed spherical particles of equal size). In reality, the particles are neither strictly spherical nor are they of equal sizes; therefore, the formula  $d = 0.1a$  should be used. The ratio  $a/d$  for the majority of samples varies from 2.4 to 6.5, i.e.,  $d = 0.155a_{\min}$  to  $0.10a_{\max}$ . This relation was checked against the practical results obtained with a metal-powder filter made of low-carbon steel with coin-Card 1/2

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ACCESSION NR: AP3005814

shaped particles (50 x 3 mm), pressed under 196-294 Mn/m<sup>2</sup>, and sintered at 1200-1250C. The loess dust (0.01%) served as a polluter in the filtrating fluid. The author concludes that the finer the filter powder (or the greater the fluid thickness) the more reason there is for the application of the relation  $d = 0.15a_{\min}$  (for particle diameters 0.3-0.4 mm). The permeability of thin filters made of coarse powders (0.4 mm and larger) should be determined according to the largest particles which pass through the filter or according to the relation  $d = 0.4a_{\max}$ . Orig. art. has: 6 tables, 2 figures, and 3 formulas.

ASSOCIATION: none

SUBMITTED: 23Oct62

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NO REF SOV: 001

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Card 2/2

ACCESSION NR: AP4029210

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AUTHOR: Lev, M. B. (Moscow); Pavlovskaya, Ya. I. (Moscow); Shibryayev, B. F. (Moscow); Barkan, B. L. (Moscow)

TITLE: Obtaining spherical iron powder by the method of atomizing fused metal

SOURCE: Poroshkovaya metallurgiya, no. 2, 1964, 89-98

TOPIC TAGS: spherical powder, spherical iron powder, Armco iron, 10 steel, 30 steel, 45 steel

ABSTRACT: The authors describe the effect of various factors (design of the burner, carbon content in the atomized metal, preliminary annealing, air pressure, distance from burner to water level in the powder gathering chambers, etc.) on the yield of Armco iron and Nos. 10, 30 and 45 steels are given in tables, which include the granulometric composition and pressability. The design and description of a device for atomizing fused metal by water is shown. The first results of its operation are given. The authors find it difficult to say which variant of atomizing will be preferable. It is entirely possible that both methods will be used depending upon specific conditions. Orig. art. has: 8 figures and 7 tables.

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ASSOCIATION: none

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